XX a: Всички публикации - публикувани

- **Звено: (ИФТТ) Институт по физика на твърдото тяло**
- **Тип на публикацията**:
  Научна монография
  Глава от научна монография
  Студия в научно списание
  Статия в научно списание
  Статия в сборник на научен форум
  Студия в тематичен сборник
  Статия в тематичен сборник
  Научно съобщение
- **Година на публикуване**: 2020 ÷ 2020
- **Тип записи**: Записи, които влизат в отчета на звеното

№	Публикация	Коригиращ Коефициент	Процент автори от звеното
1	Blagoev, B., Terziyska, P., Mehandzhiev, V., Tzvetkov, P., Kovacheva, D., Avramova, I., Ivanova, T., Gesheva, K., Paskaleva, A.. Optimization of ALD grown Ni-, Co- and Fe-doped ZnO films. Journal of Physics: Conference Series, 1492, IOP Publishing, 2020, DOI:doi:10.1088/1742-6596/1492/1/012053, 012053. SJR (Scopus):0.23 **SJR, непопадащ в Q категория** (Scopus) Линк	1.000	44.44
2	Boradjiev, I., Christova, E., Eberl, H.. The dispersion method and dimensional regularization applied to the decay H -> Zγ. Journal of Physics: Conference Series, 1586, IOP Publishing Ltd, 2020, ISSN:17426588, 17426596, DOI:doi:10.1088/1742-6596/1586/1/012045, 012045-012045. SJR (Scopus):0.227 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	33.33
3	Boyadjiev, S.I., Georgieva, V., Szilágyi, I.M., Vergov, L., Georgieva, B., Paskaleva, A.. Comparison of ALD-grown thin ZnO films with various thicknesses for NO2 sensing. Journal of Physics: Conference Series, 1492, 1, IOP Publishing, 2020, ISSN:1742-6588, DOI:10.1088/1742-6596/1492/1/012052, 012052. SJR (Scopus):0.227 **SJR, непопадащ в Q категория** (Scopus) Линк	1.000	66.67
4	Boyan T. Torosov, Michael Drewsen, Nikolay V. Vitanov. Chiral resolution by composite Raman pulses. Physical Review Research, American Physical Society, 2020 **Друго**	1.000	33.33
5	Boyan T. Torosov, Michael Drewsen, Nikolay V. Vitanov. Efficient and robust chiral resolution by composite pulses. Physical Review A, 101, American Physical Society, 2020, JCR-IF (Web of Science):2.777 **Q1, не оглавява ранглистата** (Web of Science) Линк	1.000	0.00
6	Boyan T. Torosov, Nikolay V. Vitanov. High-fidelity composite quantum gates for Raman qubits. Physical Review Research, American Physical Society, 2020 **Друго (Web of Science)**	1.000	50.00
7	Boyan T. Torosov, Svetoslav S. Ivanov, Nikolay V. Vitanov. Narrowband and passband composite pulses for variable rotations. Physical Review A, 102, American Physical Society, 2020, JCR-IF (Web of Science):2.777 **Q1, не оглавява ранглистата** (Web of Science) Линк	1.000	0.00
8	Buchkov, K., Dimitrov, D., Mickovski, J., Dikov, C., Goovaerts, E., Petrova, D., Babeva, T., Marinova, V.. Synthesis and characterization of 2D platinum diselenide. Journal of Physics: Conference Series, 1492, 2020, 012022. SJR (Scopus):0.221 Q3 (Web of Science) Линк	1.000	0.00
9	Dencheva-Zarkova, M., Genova, J.. Influence of amphotericin B on the physicochemical properties of model lipid membranes. Bulg. Chem. Commun., 52, 4, 2020, DOI:10.34049/bcc.52.4.MP08, 549-553. SJR (Scopus):0.14, JCR-IF (Web of Science):5.349 Q4 (Web of Science) Линк	1.000	0.00
10	Dencheva-Zarkova, M., Hadjichristov, G. B., Marinov, Y. G., Maslyanitsyn, I. A., Petrov, A. G., Popova, L., Shigorin, V. D., Torgova, S. I.. Effect of Inhomogeneous Electric Field in a Cell with Side Electrodes: Nematic Liquid Crystal 5CB. Physics of Wave Phenomena, 28, 3, Allerton Press, Inc., 2020, ISSN:1541-308X, 250-254. SJR (Scopus):0.31, JCR-IF (Web of Science):0.745 Q3 (Scopus) Линк	1.000	50.00
11	Dimitrov, D., Tsai, C-L, Petrov, S., Marinova, V., Petrova, D., Napoleonov, B., Blagoev, B., Strijkova, V., Hsu, K.Y., Lin, S.H.. Atomic Layer-Deposited Al-Doped ZnO Thin Films for Display Applications. Coatings, 10, 6, 2020, DOI:doi:10.3390/coatings10060539, 539. SJR (Scopus):0.46, JCR-IF (Web of Science):2.33 Q2 (Scopus) Линк	1.000	20.00

12	Dimitrova Z.I., Vitanov N.K.. Analysis of extreme water levels of Indus, Ganges and Brahmaputra rivers. Comptes rendus de l'Académie bulgare des Sciences, 73, 12, Bulgarian Academy of Sciences, 2020, ISSN:2367-5535, DOI:10.7546/CRABS.2020.12.13, 1729-1735. JCR-IF (Web of Science):0.343 Q2 (Scopus) Линк	1.000	50.00
13	Dimitrova, I M, Yordanova, V I, Slavchov R I. Quadrupolarizability of Liquid Mixtures. The Journal of Physical Chemistry B, 124, American Chemical Society, 2020, DOI:10.1021/acs.jpcb.0c08841, 11711. SJR (Scopus):0.943, JCR-IF (Web of Science):2.857 Q1, **не оглавява ранглистата (Web of Science)** Линк	1.000	33.33
14	Esmeryan K. D., Lazarov Y., Stamenov G.S., Chaushev T. A.. When condensed matter physics meets biology: Does superhydrophobicity benefiting the cryopreservation of human spermatozoa?. Cryobiology, 92, Elsevier, 2020, DOI:10.1016/j.cryobiol.2019.10.004, 263-266. JCR-IF (Web of Science):2.283 Q2 (Web of Science) Линк	1.000	50.00
15	Esmeryan K. D.. From extremely water-repellent coatings to passive icing protection - principles, limitations and innovative application aspects. Coatings, 10, MDPI, 2020, DOI:10.3390/coatings10010066, JCR-IF (Web of Science):2.436 Q2 (Web of Science) Линк	1.000	100.00
16	Genova, J., Chamati, H., Petrov, M.. Study of SOPC with embedded pristine and amide-functionalized single wall carbon nanotubes by DSC and FTIR spectroscopy. Coll. Surf. A, 603, Elsevier, 2020, DOI:10.1016/j.colsurfa.2020.125261, 125261. JCR-IF (Web of Science):3.99 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	100.00
17	Genova, J., Chamati, H, Petrov, M. Physico-chemical characterizations of lipid membranes in presence of cholesterol. Advances in Biomembranes and Lipid Self-Assembly, 31, Elsevier, 2020, DOI:10.1016/bs.abl.2020.02.003, 1-42. SJR (Scopus):0.23 Q4 (Web of Science) Линк	1.000	100.00
18	Georgiev, M., Chamati, H.. Magnetization steps in the molecular magnet Ni4Mo12 revealed by complex exchange bridges. Physical Review B, 101, 9, APS, 2020, DOI:10.1103/PhysRevB.101.094427, SJR (Scopus):1.81, JCR-IF (Web of Science):3.575 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	100.00
19	Hadjichristov, G. B., Marinov, Y. G., Ivanov, Tz. E., Koduru, H. K., Scaramuzza, N.. PEO/E8 Polymer-Liquid Crystal Flexible Complex Blend Electrolyte System for Na Ions. In: Liquid and Single Crystals: Properties, Manufacturing and Uses, Nova Science Publ., 2020, ISBN:978-1-53616-541-8, 1-64 **Международно академично издателство** Линк	1.000	60.00
20	I. K. Kostadinov, K. A. Temelkov, G. P. Yankov, B. L. Ivanov. High beam quality sealed off laser system oscillating in middle infrared spectral range on strontium atomic transitions. Optical and Quantum Electronics, 52, © Springer Science+Business Media, LLC, part of Springer Nature 2020, 2020, DOI:10.1007/s11082-020-2207-z, JCR-IF (Web of Science):1.842 Q2 (Web of Science) Линк	1.000	75.00
21	Ivanov N.B.. Heisenberg spin chains with additional isotropic three-site exchange interactions. Condens. Matter Phys., 23, 4, 2020, ISSN:1607-324X, DOI:10.5488/CMP.23.43702, 43702. SJR (Scopus):0.22, JCR-IF (Web of Science):0.581 Q3 (Web of Science) Линк	1.000	100.00
22	Ivanov O., Todorov P., Nikolova N.. Application of Electromagnetic Charge Effect for Development of Optical Sensors. Acta Materialia Turcica, 4, 3, 2020, ISSN:1359-6454, 8-15 **Международно академично издателство**	1.000	100.00
23	Ivanov O., Todorov P., Stoyanov Zh.. Possibility to create a coronavirus sensor using an optically excited electrical signal. arXiv:2010.01965 [physics.app-ph], 2020 **В депозитна база (напр. arxiv)** Линк	1.000	66.67
24	Ivanov O., Todorov P., Gultepe I.. Investigations on the Influence of Chemical Compounds on Fog Microphysical Parameters. Atmosphere, 11, 3, 2020, 225. JCR-IF (Web of Science):2.046 Q3 (Web of Science) Линк	1.000	0.00
25	Ivanov O., Simeonov K., Todorov P., Antonova D., Pulis V.. Registration of Reactions Occurring From the Emergence of a Virus by Using an Electromagnetic Charge Effect. Preprints 2020, 2020120114, 2020, DOI:10.20944/preprints202012.0114.v1 **В депозитна база (напр. arxiv)**	1.000	0.00
26	K. A. Temelkov, S. I. Slaveeva, I. K. Kostadinov, Yu. I. Fedchenko. Theoretical determination of the gas temperature in a nanosecond pulsed longitudinal discharge exciting high-power strontium atom lasers. Journal of Physics: Conference Series, 1492, IOP Publishing, 2020, ISSN:1746-6596, DOI:10.1088/1742-6596/1492/1/012008, SJR (Scopus):0.227 SJR, **непопадащ в Q категория (Scopus)** Линк	1.000	100.00
27	K. A. Temelkov, S. I. Slaveeva, T. P. Chernogorova. A simple method for theoretical determination of the radius and time-dependent electron temperatures in nanosecond pulsed longitudinal discharges in helium and neon assuming a bi-Maxwellian electron energy distribution function. Journal of Physics: Conference Series, 1492, IOP Publishing, 2020, ISSN:1746-6596, DOI:10.1088/1742-6596/1492/1/012009, SJR (Scopus):0.227 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	66.67
28	Marinov, Y. G., Hadjichristov, G. B., Vlakhov, T. E., Koduru, H. K., Scaramuzza, N.. Electrochemical impedance and dielectric spectroscopy study of TiO2-nanofilled PEO/PVP/NaIO4 ionic polymer electrolytes. Bulgarian Chemical Communications, 52(E), 2020, ISSN:0324-1130, 57-61. SJR (Scopus):0.14, JCR-IF (Web of Science):0.24 Q4 (Scopus) Линк	1.000	60.00

29	Marinov, Y. G., Hadjichristov, G. B.. Electro-optical characteristics of thin films of aerosil-7CB nematic gel nanocomposites doped with photoresponsive liquid crystalline azo-compounds. Compt. Rend. Acad. Bulg. Sci, 73, 10, 2020, ISSN:1310–1331, 1368-1375. SJR (Scopus):0.218, JCR-IF (Web of Science):0.343 Q2 (Scopus) Линк	1.000	100.00
30	Mishonov T M, Danchev I V, Varonov A M. Predicted electric field induced surface magnetization of vortex phase of superconductors. Physica Scripta, 95, IOP, 2020, DOI:10.1088/1402-4896/ab7ebc, 065501. SJR (Scopus):0.53, JCR-IF (Web of Science):1.985 Q2 (Web of Science) Линк	1.000	66.67
31	Mishonov T. M., Popeski-Dimovski R., Velkoska L., Dimitrova I. M., Gourev V. N., Petkov A. P., Petkov E. G., Varonov A. M.. The Day of the Inductance: Problems of the 7th Experimental Physics Olympiad, Skopje, 2019. Chemistry: Bulgarian Journal of Science Education, 29, 3, Azbuki, 2020, ISSN:1313-8235 (Online), DOI:Няма, 381-397 **Национално академично издателство (Друга база (напишете името й в "Забележката"))** Линк	1.000	0.00
32	Mishonov Todor M., Varonov Albert M. Nanotechnological structure for observation of current induced contact potential difference and creation of effective Cooper pair mass-Spectroscopy. Physica C: Superconductivity and its Applications, 577, Elsevier, 2020, DOI:10.1016/j.physc.2020.1353712, 1353712. SJR (Scopus):0.4, JCR-IF (Web of Science):1.241 Q3 (Web of Science) Линк	1.000	0.00
33	Mishonov Todor M, Varonov Albert M. Robust formula for N-point Padé approximant calculation based on Wynn identity. Applied Numerical Mathematics, 157, Elsevier, 2020, DOI:10.1016/j.apnum.2020.06.007, 291-306. SJR (Scopus):1.02, JCR-IF (Web of Science):1.979 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	0.00
34	Mishonov, T M, Andreoni M, Varonov, A M. Determination of magnon mass of neodymium magnet by temperature dependence of spontaneous magnetization. 2020 **В депозитна база (напр. arxiv)** Линк	1.000	66.67
35	Mishonov, Todor M., Dimitrova, Iglika M., Varonov, Albert M.. On the Influence of the Ionization-Recombination Processes on Hydrogen Plasma Polytropic Index. 2020 **В депозитна база (напр. arxiv)** Линк	1.000	0.00
36	Mishonov, Todor M., Varonov, Albert M.. Slow magnetosonic wave absorption by pressure induced ionization–recombination dissipation. Physics of Plasmas, 27, AIP Publishing, 2020, DOI:10.1063/5.0013983, 112109-1-112109-7. SJR (Scopus):0.73, JCR-IF (Web of Science):1.83 Q2 Линк	1.000	100.00
37	Mishonov, Todor M., Marinov, Vladimir G., Danchev, Victor I., Petkov, Emil G., Petkov, Aleksander P., Dimitrova, Iglika M., Gourev, Vassil N., Serafimov, Nikola S., Stefanov, Aleksander A., Varonov, Albert M.. Probability distribution function of crossover frequency of operational amplifiers. 2020 **В депозитна база (напр. arxiv)** Линк	1.000	30.00
38	Nazarova E., Nenkov K., Zlatkov M.. Dating of Lead Artifacts Based on Superconductivity. Archaeologia Bulgarica, 24, 1, 2020, ISSN:1310-9537, 79-86 **Индексирано в ERIH+ (Scopus)** Линк	1.000	33.33
39	Panajotov K., Schatz R.. Coupled-Cavity VCSEL with an Integrated Electro-Absorption Modulator: Small- and Large-Signal Modulation Analysis. Applied Sciences, 10, 6128, MDPI, 2020, ISSN:20763417, DOI:10.3390/app10176128, 6128-1-6128-13. SJR (Scopus):0.42, JCR-IF (Web of Science):2.474 Q2 (Web of Science) Линк	1.000	50.00
40	Panajotov K., Tlidi M., Song Y., Zhang H.. Control of dissipative rogue waves in nonlinear cavity optics: Optical injection and time-delayed feedback. Chaos, 30, 053103, AIP, 2020, DOI:10.1063/5.0003225, 053103. SJR (Scopus):0.93, JCR-IF (Web of Science):2.832 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	25.00
41	Popov, E.P., Chernikov, A.N., Beskrovnyi, A.I, Waliszewski, J., Mirzayev, M.N.. Cryostat for cooling samples in the study of low-temperature structural and magnetic phase transitions by neutron diffraction. Journal of Physics: Conference Series, 1492, 2020, DOI:10.1088/1742-6596/1492/1/012054, 012054. SJR (Scopus):0.23 **SJR, непопадащ в Q категория (Web of Science)** Линк	1.000	0.00
42	Rafailov, P.M., Dimitrov, D.Z., Chen, Y-F, Lee, C-S, Juang, J-Y. Symmetry of the Optical Phonons in LuVO4: A Raman Study. Crystals, 10, 5, 2020, 341. JCR-IF (Web of Science):2.061 Q2 (Web of Science) Линк	1.000	40.00
43	Shopova, D. V.. Application of phenomenological Landau approach to the description of magnetic phase transitions in the ferromagnetic superconductor at ambient pressure. arXiv:2011.06657 [cond-mat.supr-con], 2020, SJR (Scopus):0.001, JCR-IF (Web of Science):0.001 **В депозитна база (напр. arxiv)** Линк	1.000	100.00
44	Simeonov, S., Szekeres, A., Covei, M., Spassov, D., Kitin, G.,, Predoana, L., Calderon-Moreno, J.M., Nicolesku, M., Preda, S., Stroescu, H., Gartner, M., Zaharescu, M.. Inter-trap tunneling in vanadium doped TiO2 sol-gel fims. Materials Research Bulletin, 127, Elsevier, 2020, 110854. JCR-IF (Web of Science):3.355 Q2 (Web of Science) Линк	1.000	25.00
45	Slavkova, Z., Genova, J., Chamati, H., Koroleva, M., Yancheva, D.. Influence of hydrophobic Au nanoparticles on SOPC lipid model systems. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 603, Elsevier, 2020, DOI:10.1016/j.colsurfa.2020.125090, 125090. SJR (Scopus):0.79, JCR-IF (Web of Science):3.99 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	60.00
46	Stoyanova-Ivanova, A., Lilov, P., Vasev, A., Stoyanova, A., Ivanova, G., Karashanova, D., Mikli, V.. Studies of structural and morphological properties of cuprate conductive ceramics after electrochemical treatment in alkaline electrolyte. Materials	1.000	28.57

	Chemistry and Physics, 39, 239, 2020, DOI:https://doi.org/10.1016/j.matchemphys.2019.121934, SJR (Scopus):0.65, JCR-IF (Web of Science):2.781 Q2 (Web of Science) Линк		
47	Stoyanova-Ivanova, A., Cherneva, S., Petrunov, V., Petrova, V., Ilievska, I., Mikli, V., Yankov, R.. Investigation of mechanical and physicochemical properties of clinically retrieved titanium-niobium orthodontic archwires. 22, 1, Acta of Bioengineering and Biomechanics, 2020, DOI:DOI: 10.37190/ABB-01486-2019-03, JCR-IF (Web of Science):0.968 Q4 (Web of Science) Линк	1.000	28.57
48	Stoychev, L. I.. DFG-based mid-IR tunable source with 0.5 mJ energy and a 30 pm linewidth. Optics Letters, 45, 16, Optical Society of America, 2020, DOI:10.1364/OL.405272, 5526-5529. SJR (Scopus):1.788, JCR-IF (Web of Science):3.714 **Q1, не оглавява ранглистата** (Web of Science) Линк	1.000	7.14
49	Szekeres, A, Alexandrova, S, Terziyska, P, Anastasescu, M, Stoica, M, Gartner, M. Study of silicon surface layers modified by hydrogen plasma immersion ion implantation and oxidation. Journal of Physics: Conference Series, 1492, IOP Publishing, 2020, ISSN:1742-6588, 1742-6596, DOI:doi:10.1088/1742-6596/1492/1/012056, SJR (Scopus):0.23 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	50.00
50	Varbev, S., Boradjiev, I., Tonchev, H., Chamati, H. Dynamics of a periodic XY chain coupled to a photon mode. The European Physical Journal B, 93, 7, EDP Sciences, Società Italiana di Fisica, and Springer Science+Business Media, 2020, ISSN:1434-6028, DOI:DOI: 10.1140/epjb/e2020-10262-7, 131. SJR (Scopus):0.46, JCR-IF (Web of Science):1.347 Q2 (Web of Science) Линк	1.000	100.00
51	Vitkova, V., Mitkova, D., Yordanova, V., Bakowsky, U., Pohl, P., Staneva, G., Batishchev, O.. Elasticity and phase behaviour of biomimetic membrane systems containing archaeal lipids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 601, Elsevier, 2020, DOI:10.1016/j.colsurfa.2020.124974, 124974. JCR-IF (Web of Science):3.99 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	14.29
52	Vitkova, V, Minetti, C., Stoyanova-Ivanova, A.. Bending rigidity of lipid bilayers in electrolyte solutions of sucrose. 52, Bulgarian Chemical Communications, 2020, 35-40. JCR-IF (Web of Science):0.242 Q4 (Web of Science) Линк	1.000	66.67
53	Yankov G., Iordanova E., Nedyalkov N., Zamfirescu M.. Preliminary results on non-linear effects in Au-ion-doped glass materials irradiated by femtosecond laser pulses. 1492, IOP Publishing, 2020, DOI:https://doi.org/10.1088/1742-6596/1492/1/012060, SJR (Scopus):0.23 **SJR, непопадащ в Q категория (Web of Science)** Линк	1.000	0.00
54	Yordanova D, Temelkov K, Mihailova D, van Dijk J. Plasimo modelling of hollow cathode geometry: the laser tube configuration for sputtering metal vapour lasers. Journal of Physics: Conference Series, 1492, IOP Publishing, 2020, DOI:10.1088/1742-6596/1492/1/012010, SJR (Scopus):0.227 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	50.00
55	Zlatanov, K. N.. Morris-Shore transformation for nondegenerate systems. 102, 2020, DOI:https://doi.org/10.1103/PhysRevA.102.063113, SJR (Scopus):1.42, JCR-IF (Web of Science):2.777 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	33.33
56	Zlatanov, Kaloyan N., Vitanov, Nikolay V.. Generation of arbitrary qubit states by adiabatic evolution split by a phase jump. Physical Review A, 101 (1), 2020, DOI:https://doi.org/10.1103/PhysRevA.101.013426, 013426. SJR (Scopus):1.42, JCR-IF (Web of Science):2.777 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	50.00
57	Zlatanov, Kaloyan, Stock, Christian, Halfmann, Thomas. Third harmonic generation and microscopy, enhanced by a bias harmonic field. Optics Communications, 457, North-Holland, 2020, DOI:https://doi.org/10.1016/j.optcom.2019.124660, 124660. SJR (Scopus):0.7, JCR-IF (Web of Science):2.125 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	33.33
58	**Вани Танкова**, **Кирил Благоев**, **Галина Малчева**. Приложение на лазерно индуцирана плазмена спектроскопия (LIBS) в археометрията. Светът на физиката, XLIII, 3, 2020, ISSN:0861-4210, 191-202 **Национално академично издателство**	1.000	0.00
59	**Камишева, Г.**. Д-р Димитър Мутев – живот и дейност. Наука, 30, 1, Съюз на учените в България, 2020, ISSN:0861 3362, 62-65 **Национално академично издателство** Линк	1.000	0.00
60	**Кънева, М.**. Лазерни методи при реставрация и консервация на кавалетна живопис (част III). Светът на физиката, XLIII, 1, 2020, ISSN:0861–4210, 15-30 **Друго** Линк	1.000	0.00
61	**Кънева, М.**. Лазерни методи при реставрация и консервация на кавалетна живопис (част IV). XLIII, 2, 2020, ISSN:0861–4210, 114-123 **Друго** Линк	1.000	0.00
62	**Петков, О.**, **Стоянова-Иванова, А.**, Колев, С., **Петрова, В.**, Ковачева, Д., Tran, L-M., Babij, M., Zaleski, A., Mikli, V.. ИЗСЛЕДВАНЕ НА ВЛИЯНИЕТО НА ДОБАВКИ (нано-Fe3O4, Ag2O) ВЪРХУ ФАЗООБРАЗУВАНЕТО В СВРЪХПРОВОДИМА КЕРАМИКА С НОМИНАЛЕН СЪСТАВ YBa3Cu4O7-x. 2020, ISBN:978-619-245-072-4, 144-145 **Национално академично издателство**	1.000	33.33
63	**Петков, О.**, **Стоянова-Иванова, А.**. B(Pb)SCCO КЕРАМИКИ С ПОТЕНЦИАЛНО ПРИЛОЖЕНИЕ КАТО ДОБАВКИ В АЛКАЛНИ Ni-Zn СИСТЕМИ. 2020, ISBN:1314-8931, 106-111 **Национално академично издателство**	1.000	100.00

64	**Цонев Любомир Владимиров**. Някои старини в България в нов ракурс. Булга медиа, 2020, ISBN:ISBN 978-954-9670-49-3, 406 **Друго**	1.000	100.00
65	Angelina Pirovska, Krassimira Antonova, Galina Malcheva, Vani Tankova, Kiril Blagoev. Nature and physicochemical features of the incrusted white decoration on pottery from two sites in Bulgaria, dated to the chalcolithic period (IV mill BC). Journal of Archaeological Science: Reports, 29, Elsevier, 2020, DOI:10.1016/j.jasrep.2019.102142, 1-6. SJR (Scopus):1.717 **Q1, не оглавява ранглистата** Линк	1.000	80.00
66	Angelova, L., Bliznakova, I., Daskalova, A., Blagoev, B., Trifonov, A., Terziyska, P., Buchvarov, I.. Femtosecond laser surface engineering of biopolymer ceramic scaffolds coated with ZnO by low temperature atomic layer deposition method. Optical and Quantum Electronics, 52, 2020, 173. SJR (Scopus):0.37, JCR-IF (Web of Science):1.842 Q2 (Scopus) Линк	1.000	28.57
67	Balagué, N, Hristovski, R., Almarcha, M, Garcia-Retortillo, S., Ivanov, P.C.. Network Physiology of Exercise: Vision and Perspectives. Frontiers in Physiology, 11, Frontiers Media S.A., 2020, ISSN:1664-042X, DOI:10.3389/fphys.2020.611550, 611550. SJR (Scopus):1.21, JCR-IF (Web of Science):3.367 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	0.00
68	Balli, M., Mansouri, S., Dimitrov, D.Z., Fournier, P., Jandl, S., Juang, J.-Y.. Giant anisotropy of the magnetocaloric effect in the orthovanadate TbVO4 single crystals. arXiv, 2011.09798, 2020 **Международно академично издателство**	1.000	0.00
69	Balli, M., Mansouri, S., Dimitrov, D.Z., Fournier, P., Jandl, S., Juang, J.-Y.. Strong conventional and rotating magnetocaloric effects in TbVO4 crystals over a wide cryogenic temperature range. Physical Review Materials, 4, 11, 2020, 114411. JCR-IF (Web of Science):4.194 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	16.67
70	Beshkova, M., Blagoev, B.S., Mehandzhiev, V., Yakimova, R., Georgieva, B., Avramova, I., Terziyska, P., Kovacheva, D., Strijkova, V.. Initial conditions for preparation of thin AlN films by atomic layer deposition. Journal of Physics: Conference Series, 1492, IOP Publishing, 2020, DOI:doi:10.1088/1742-6596/1492/1/012021, 012021. SJR (Scopus):0.23 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	33.33
71	Bogdan, P, Eke, A, Ivanov, P.C.. Fractal and Multifractal Facets in the Structure and Dynamics of Physiological Systems and Applications to Homeostatic Control, Disease Diagnosis and Integrated Cyber-Physical Platforms. Frontiers in Physiology, 11, 2020, DOI:10.3389/fphys.2020.00447, 447. JCR-IF (Web of Science):3.367 **Q1, не оглавява ранглистата** Линк	1.000	33.33
72	Borisov, R., Dimitrova, Z.I., Vitanov, N.K.. Statistical Characteristics of Stationary Flow of Substance in a Network Channel Containing Arbitrary Number of Arms. Entropy, 22, 5, MDPI, 2020, ISSN:1099-4300, DOI:10.3390/e22050553, 553. JCR-IF (Web of Science):2.494 Q2 (Web of Science) Линк	1.000	33.33
73	Cherneva, S., Stoyanova-Ivanova, A., Georgieva, M., Andreeva, L., Petkov, A., Petrov, V., Petrova, V., Mikli, V.. Nanoindentation and surface characterization of clinically retrieved multi-force NiTi orthodontic archwires. Russian Journal of Biomechanics, 2020, SJR (Scopus):0.35 Q4 Линк	1.000	25.00
74	D'Arco, A., Mussi, V., Petrov, S., Beccherelli, R., Dimitrov, D., Marinova, V., Lupi, S., Zografopoulos, D.C.. Fabrication and spectroscopic characterization of graphene transparent electrodes on flexible cyclo-olefin substrates for terahertz electro-optic applications. Nanotechnology, 31, 36, 2020, 364006. JCR-IF (Web of Science):3.551 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	12.50
75	Dionisiev, I., Marinova, V., Buchkov, K., Dikov, H., Avramova, I., Dimitrov, D.. Synthesis and Characterizations of 2D Platinum Diselenide. Materials Proceedings, 2, 1, 2020, 22 **Без JCR или SJR – индексиран в WoS или Scopus** Линк	1.000	0.00
76	Doltchinkova, V., Vitkova, V.. Polylysine effect on thylakoid membranes. Biophysical Chemistry, Elsevier, 2020, ISSN:0301-4622, DOI:10.1016/j.bpc.2020.106440, 106440. SJR (Scopus):0.61, JCR-IF (Web of Science):1.995 Q2 (Web of Science) Линк	1.000	50.00
77	Doumbia Y., Malica T., Wolfersberger D., Panajotov K., Sciamanna M.. Nonlinear dynamics of a laser diode with an injection of an optical frequency comb. Optics Express, 28, 21, OSA, 2020, DOI:10.1364/OE.402120, 30379-30390. SJR (Scopus):1.53, JCR-IF (Web of Science):3.669 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	20.00
78	Doumbia Y., Malica T., Wolfersberger D., Panajotov K., Sciamanna M.. Optical injection dynamics of frequency combs. Optics Letters, 45, 2, OSA, 2020, DOI:10.1364/OL.381039, 435-438. JCR-IF (Web of Science):3.714 **Q1, не оглавява ранглистата** (Web of Science) Линк	1.000	20.00
79	Exner, G. K., Marinov, Y. G., Hadjichristov, G. B.. Novel nanocomposites of single wall carbon nanotubes and discotic mesogen with tris(keto-hydrozone) core. Compt. Rend. Acad. Bulg. Sci., 73, 9, 2020, ISSN:1310–1331, DOI:10.7546/CRABS.2020.09.04, 1217-1224. SJR (Scopus):0.22, JCR-IF (Web of Science):0.343 Q2 (Scopus) Линк	1.000	66.67
80	Frasunkiewicz L., Panajotov K., Thienpont H., Dems M., Czyszanowski T.. Transverse mode mixing in a coupled-cavity VCSEL. Journal of Lightwave Technology, 38, 20, IEEE, OSA, 2020, ISSN:0733-8724, DOI:10.1109/JLT.2020.3004454, 5774-5782. JCR-IF (Web of Science):4.288 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	20.00
81	Galluzzi A., Buchkov K., Nazarova E., Tomov V., Leo A., Grimaldi G., Pace S., Polichetti M.. Magnetic field sweep rate influence on the critical currentm capabilities of a Fe(Se,Te) crystal. 79.Journal of Applied Physics, 128, AIP Publishing, 2020,	1.000	0.00

	ISSN:0021-8979; E-ISSN is 1089-7550, DOI:https://doi.org/10.1063/5.0010324, 073902. JCR-IF (Web of Science):2.286 Q2 (Scopus) Линк		
82	Galluzzi A., Buchkov K., Nazarova E., Tomov V., Leo A., Grimaldi G., Pace S., Polichetti M.. Mixed state properties analysis in AC magnetic field of strong pinning Fe(Se,Te) single crystal. Supercond. Sci and Technol., 33, 9, IOPScience, 2020, ISSN:Online ISSN: 1361-6668 Print ISSN: 0953-2048, DOI:https://doi.org/10.1088/1361-6668/aba354, 094006. JCR-IF (Web of Science):3.067 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	37.50
83	Galluzzi A., Buchkov K., Nazarova E., Leo A., Grimaldi G., Pace S., Polichetti M.. Silver doping effects on irreversibility field and pinning energy of a FeSe iron based superconductor. Journal of Physics: Conference Series, 1548, IOPScience, 2020, ISSN:Online ISSN: 1742-6596 Print ISSN: 1742-6588, DOI:https://doi.org/10.1088/1742-6596/1548/1/012024, 012024. SJR (Scopus):0.23 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	28.57
84	Garcia-Retortillo, S., Rizzo, R, Wang, J.W.J.L, Sitges, C., Ivanov, P.Ch.. Universal spectral profile and dynamic evolution of muscle activation: A hallmark of muscle type and physiological state. Journal of Applied Physiology, 129, 3, American Physiological Society, 2020, DOI:10.1152/japplphysiol.00385.2020, 419-441. SJR (Scopus):1.1, JCR-IF (Web of Science):3.044 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	20.00
85	Goršak, T., Drab, M., Križaj, D., Jeran, M., Genova, J., Kralj, S., Lisjak, D., Kralj Iglič, V., Iglič, A., Makovec, D.. Magneto-mechanical actuation of barium-hexaferrite nanoplatelets for the disruption of phospholipid membranes. Journal of Colloid and Interface Science, 579, Elsevier, 2020, DOI:10.1016/j.jcis.2020.06.079, 508-519. JCR-IF (Web of Science):7.489 Q1 - **оглавява ранглистата (Web of Science)** Линк	1.000	10.00
86	Guziewicz, E., Krajewski, T. A., Przezdziecka, E., Korona, K. P., Czechowski, N., Klopotowski, L., Terziyska, P.. Zinc Oxide Grown by ALD – from Heavily n-type to p-type Material. Physica Status Solidi b, 257, 2, John Wiley & Sons Ltd., 2020, ISSN:2053-1591, DOI:https://doi.org/10.1002/pssb.201900472, 1900472. SJR (Scopus):0.519, JCR-IF (Web of Science):1.454 Q2 (Web of Science) Линк	1.000	14.29
87	Ivanov, G. R., Avramov, I. D., Strijkova, Marinov, Y. G., Vlakhov, T. E., Bogdanova, E., Hadjichristov, G. B.. Mass sensitivity of Langmuir-Blodgett monolayer film coated surface acoustic wave resonators to volatile organic solvents. Journal of Physics, Condensed Matter, Conference Series, IOP Conference Series, 2020, 2020 **Без JCR или SJR – индексиран в WoS или** Scopus (Scopus) Линк	1.000	57.14
88	Ivanov, G., Marinov, Y. G., Hadjichristov, G. B., Vlakhov, T.. Detection of Heavy Metal Ions by Newly Designed Biosensor with Well-Formed 3D Nano-Structure. 2019 XXIX International Scientific Symposium "Metrology and Metrology Assurance" (MMA), IEEE, 2020, DOI:10.1109/MMA.2019.8935987 **Международно неакадемично издателство (IEEE Xplore)** Линк	1.000	75.00
89	Ivanova, G. D., Petrova, V. P., Petkov, O. K., Minchev, B. A., Lilov, P. A., Stoyanova-Ivanova, A., Stoyanova, A. E.. Effect of ball milling treatment on the Zn electrode properties in Ni- Zn battery. 52, Bulgarian Chemical Communications, 2020, 87-92. JCR-IF (Web of Science):0.242 Q4 (Web of Science) Линк	1.000	42.86
90	Jiménez-Martín, M., Santalla, S.N., Rodríguez-Laguna, J., Korutcheva, E.. A null model for Dunbar's circles. Physica A: Statistical Mechanics and its Applications, 545, Elsevier, 2020, DOI:10.1016/j.physa.2019.123767, 123767. SJR (Scopus):0.71, JCR-IF (Web of Science):2.924 Q2 (Web of Science) Линк	1.000	25.00
91	K. S. Gadedjisso-Tossou, L. I. Stoychev, M. A. Mohou, H. Cabrera, J. Niemela, M. B. Danailov, A. Vacchi. Cavity Ring-Down Spectroscopy for Molecular Trace Gas Detection Using A Pulsed DFB QCL Emitting at 6.8 μm. Photonics, 7, 3, 2020, JCR-IF (Web of Science):2.14 **Q1, не оглавява ранглистата (**Web of Science) Линк	1.000	14.29
92	Lin, A, Liu, K K L, Bartsch, R.P., Ivanov, P.C.. Dynamic network interactions among distinct brain rhythms as a hallmark of physiologic state and function. Communications Biology, 3, 1, Nature Research, 2020, DOI:10.1038/s42003-020-0878-4, 197. SJR (Scopus):2.15, JCR-IF (Web of Science):4.165 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	25.00
93	Milanova, M, Donchev, V, Arnaudov, B, Alonso-Álvarez, D, Terziyska, P. GaAsSbN-based p-i-n heterostructures for solar cell applications grown by liquid-phase epitaxy. Journal of Materials Science: Materials in Electronics, 31, Springer, 2020, ISSN:ISSN 1573-482X, DOI:https://doi.org/10.1007/s10854-019-02728-5, 2073-2080. JCR-IF (Web of Science):2.22 Q2 (Scopus) Линк	1.000	20.00
94	Mirzayev, M.N., Popov, E., Demir, E., Abdurakhimov, B.A., Mirzayeva, D.M, Sukratov, V.A., Mutali, A.K., Tiep, V.N., Biira, S, Tashmetov, M.Y., Olejniczak, K., Kristavchuk, O.. Thermophysical behavior of boron nitride and boron trioxide ceramics compounds with high energy electron fluence and swift heavy ion irradiated. Journal of Alloys and Compounds, 834, Elsevier, 2020, DOI:10.1016/j.jallcom.2020.155119, 155119. SJR (Scopus):1.06, JCR-IF (Web of Science):4.65 Q4 (Web of Science) Линк	1.000	8.33
95	Mirzayev, M.N., Abdurakhimov, B.A., Jabarov, S.H., Tashmetov, M.Y., Demir, E., Tiep, N.V, Ismayilova, N.A, Aliyev, Y.I., Popov, E., Mirzayeva, D.M., Karaaslan, S.I., Georgiev, G.I.. Effect of high intense electron beam irradiation on structural and Raman properties of boron carbide micro powder. International Journal of Modern Physics B, 34, World Scientific, 2020, DOI:10.1142/S0217979220500083, 2050008. SJR (Scopus):0.24, JCR-IF (Web of Science):0.833 Q4 (Web of Science) Линк	1.000	8.33

96	Mutafchieva Y. D., Stoyanov Zh. K., Chamel N., Pearson J. M., **Mihailov L. M.**. Unified equation of state for the outer and inner crusts of magnetars. 1555, Journal of Physics, 2020, DOI:10.1088/1742-6596/1555/1/012015, SJR (Scopus):0.227 Q4 (Scopus) Линк	1.000	20.00
97	Napoleonov, B., Marinova, V., Petrova, D., **Blagoev, B.**, Avramova, I., **Dimitrov, D.**. Development of ALD ZnO:Al as transparent conductive films. Journal of Physics: Conference Series, 1492, IOP Publishing, 2020, DOI:doi:10.1088/1742-6596/1492/1/012026, 012026. SJR (Scopus):0.23 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	33.33
98	Paz, J., Nedev, N., **Nesheva, D.**, Curiel, M., **Manolov, E.**, Valdez, B., Perez, O., Mateos, D., Nedev, R., Arias, A., Ramirez, M., **Dzhurkov, V.**. Selective Photosensitivity of Metal-Oxide-Semiconductor Structures with SiOx layer annealed at high temperature. Journal of Materials Science: Materials in Electronics, 31, 20, Springer, 2020, ISSN:0957-4522, DOI:https://doi.org/10.1007/s10854-020-04297-4, 17412-17421. SJR (Scopus):0.477, JCR-IF (Web of Science):2.22 Q2 (Web of Science) Линк	1.000	25.00
99	Petrova, SI, **Ivanov, N.B.**, Schnack, J. Mixed-spin kagome strip: Classical phase diagram. Acta Physica Polonica A, 137, 5, Polska Akademia Nauk, 2020, ISSN:05874246, DOI:10.12693/APhysPolA.137.976, 976-978. JCR-IF (Web of Science):0.579 Q3 (Web of Science) Линк	1.000	33.33
100	Podobnik, B, Korošak, D., Skelin Klemen, M, Stožer, A, Dolenšek, J, Slak Rupnik, M., **Ivanov, P.C.**, Holme, P., Jusup, M.. β Cells Operate Collectively to Help Maintain Glucose Homeostasis. Biophysical Journal, 118, 10, Elsevier, 2020, DOI:10.1016/j.bpj.2020.04.005, 2588-2595. SJR (Scopus):1.833, JCR-IF (Web of Science):3.854 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	11.11
101	Rizzo, R., Zhang, X., Wang, J.W.J.L, Lombardi, F., **Ivanov, P.C.**. Network Physiology of Cortico–Muscular Interactions. Frontiers in Physiology, 2020, Frontiers Media S.A., 2020, DOI:https://doi.org/10.3389/fphys.2020.558070, 558070. JCR-IF (Web of Science):3.367 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	0.00
102	Ro Nikov, N Nedyalkov, M Koleva, N Stankova, **E Iordanova**, **G Yankov**, L Aleksandrov, R Iordanova. Femtosecond laser modification of the optical properties of glass containing noble-metal nanoparticles. 1492, IOP Publishing Ltd, 2020, DOI:https://doi.org/10.1088/1742-6596/1492/1/012058, SJR (Scopus):0.23 **SJR, непопадащ в Q категория (Scopus)** Линк	1.000	0.00
103	Santhosh, P., **Genova, J.**, Iglič, A., Kralj Iglič, V., Poklar Ulrih, N.. Influence of cholesterol on bilayer fluidity and size distribution of liposomes. C R Acad Bulg Sci, 73(7), 2020, DOI:10.7546/CRABS.2020.07.07, 947-956. JCR-IF (Web of Science):0.321 Q2 (Web of Science) Линк	1.000	20.00
104	Solovjov A. L., Petrenko E. V., Omelchenko L. V., **Nazarova E.**, **Buchkov K.**, Rogacki K.. Features of excess conductivity and a possible pseudogap in FeSe superconductors. Low Temp. Physics, 46, 5, AIP Publishing, 2020, ISSN:1063-777X, DOI:https://doi.org/10.1063/10.0001059, 638-652. JCR-IF (Web of Science):0.825 Q3 (Scopus) Линк	1.000	33.33
105	Song Y., Wang Z., Wang C., **Panajotov K.**, Zhang H.. Recent progress on optical rogue waves in fiber lasers: status, challenges, and perspectives. Advanced Photonics, 2, 2, SPIE, 2020, ISSN:2577-5421, DOI:10.1117/1.AP.2.2.024001, 024001-1-024001-15 **Друго** Линк	1.000	20.00
106	Staneva, A., Mateeva, J., Martinov, B., **Blagoev, B.**, Nurgaliev, T.. EFFECT OF GRAPHENE OXIDE AND REDUSED GRAPHENE OXIDE ON ELECTRICAL PROPERTIES OF YBCO AND YBCO/Ag COMPOSITES. Journal of Chemical Technology and Metallurgy, 55, 2, 2020, 359-366. SJR (Scopus):0.19 Q3 (Scopus) Линк	1.000	0.00
107	Todorov R., Cernoskova E., Vlasova M., **Hristova-Vasileva T.**, Atanasova A., Katrova V., Cernosek Z.. Spectroscopic ellipsometry investigation of electronic states and optical properties of thin films from Ge30AsxSe70-x system. Journal of Non-Crystalline Solids, 538, Elsevier, 2020, ISSN:0022-3093, DOI:10.1016/j.jnoncrysol.2020.120048, 120048. SJR (Scopus):0.712, JCR-IF (Web of Science):2.929 **Q1, не оглавява ранглистата (**Web of Science) Линк	1.000	14.29
108	Tonova, K., Lazarova M., **Dencheva-Zarkova, M.**, Paniovska, S, Tsibranska, I., **Stanoev, V.**, Dzhonova, D, **Genova, J.**. Separation of glucose, other reducing sugars and phenolics from natural extract by nanofiltration: Effect of pressure and cross-flow velocity. Chemical Engineering Research and Design, Volume 162, October 2020, Elsevier, 2020, ISSN:0 8247 0070 8, 107-116. SJR (Scopus):0.83, JCR-IF (Web of Science):3.35 **Q1, не оглавява ранглистата (Scopus)** Линк	1.000	37.50
109	Vitanov N.K., **Dimitrova Z.I.**, Kantz H.. Simple Equations Method (SEsM) and Its Application for Obtaining Exact Solutions of Nonlinear Partial Differential Equations. Science without Borders: Alexander von Humboldt's Concepts in Today's World, Faber Publishing House, 2020, ISBN:ISBN 978-619-00-1217-7, 126-142 **Международно академично издателство**	1.000	33.33
110	Vitanov N.K., **Dimitrova Z.I.**. Discussion on Extreme Values of the Water Levels of Several Large Rivers in Europe and Asia. Conference Proceedings "Climate, atmosphere and water resources in the face of climate change", Volume 2 Sofia, 15 - 16 October 2020, 2020, 158-165 **Национално академично издателство**	1.000	0.00
111	Vitanov, N.K., Borisov, R, Ivanova, T.I., **Dimitrova, Z.I.**. Analysis of motion of susbstance in channel of network in presence of pumping. Journal of Theoretical and Applied Mechanics, 50, 4, Bulgarian Academy of Sciences, 2020, ISSN:0861-6663, 330-337. SJR (Scopus):0.284 Q3 (Scopus) Линк	1.000	25.00

112	Vladimirov A., Panajotov K., Tlidi M.. Orthogonally polarized frequency combs in a mode-locked VECSEL. Optics Letters, 45, 1, OSA, 2020, DOI:10.1364/OL.45.000252, 252-255. JCR-IF (Web of Science):3.714 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	33.33
113	X. Ge, J. Zhao, Esmeryan K. D., X. Lu, Z. Li, K. Wang, F. Ren, Q. Wang, M. Wang, B. Qian. Cicada-inspired fluoridated hydroxyapatite nanostructured surfaces synthesized by electrochemical additive manufacturing. Materials & Design, 193, Elsevier, 2020, DOI:https://doi.org/10.1016/j.matdes.2020.108790, JCR-IF (Web of Science):6.289 **Q1, не оглавява ранглистата (Web of Science)** Линк	1.000	10.00
114	Yordanova, V., Staneva, G., Vitkova, V., Angelova, M., Kostadinova, A., Benkova, D., Veleva, R., Nesheva, A., Hazarosova, R.. Biomimetic vesicles as a tool to reveal the physico-chemical membrane changes induced by oxidized lipids. Oxidation Communications, 43, 4, 2020, ISSN:0209-4541, 678-687. SJR (Scopus):0.22 Q3 (Scopus) Линк	1.000	11.11
115	Иванова, Г., Стоянова, А., **Стоянова-Иванова, А.**, **Петрова, В.**, **Петков, О.**, Карашанова, Д.. ВЛИЯНИЕ СЪДЪРЖАНИЕТО НА B(Pb)SCCO 2212 КАТО ДОБАВКА КЪМ АКТИВНАТА МАСА ВЪРХУ РАБОТНИТЕ ХАРАКТЕРИСТИКИ НА ЦИНКОВИЯ ЕЛЕКТРОД. 2020, ISBN:978-619-245-072-4, 146-147 **Национално академично издателство**	1.000	50.00
Коригиран брой: 115.000			